

Agenda

RADIATION SAFETY AT SUPERFUND SITES (165.11)

City, State

Month, Date, Year

COURSE DIRECTOR: , Tetra Tech NUS, Inc.

INSTRUCTORS: , Tetra Tech NUS, Inc.

, Tetra Tech NUS, Inc.

TECHNICIAN: , Tetra Tech NUS, Inc.

<i>DAY and TIME</i>	<i>SUBJECT</i>	<i>SPEAKER</i>
Monday, Date		
12:30 – 2:00 p.m.	Orientation / Introduction	
2:10 – 3:00 p.m.	Atomic Structure and Radioactive Decay	
3:10 – 4:00 p.m.	Interaction of Radiation with Matter	
4:10 – 5:00 p.m.	Radiation Exposure and Biological Effects	
5:10 – 6:00 p.m.	Radiation Exposure Limits and Methods	
Tuesday, Date		
8:00 – 8:30 a.m.	Basic Concepts in Radiation Detection and Measurements	
8:40 – 9:30 a.m.	Radiation Detection Instruments	
9:40 –10:30 a.m.	Surveying for Radioactive Materials	
10:40 –12:30 p.m.	Exercise: Radiation Survey Meters	
	1. Exposure Rate Meters/Dosimeters	
	2. Count Rate Meters	
	3. Bench Counters	
12:30 – 1:30 p.m.	LUNCH	
1:30 – 5:00 p.m.	Exercise: Radiation Survey Meters (cont.)	
	1. Exposure Rate Meters/Dosimeters	
	2. Count Rate Meters	
	3. Bench Counters	

DAY and TIME	SUBJECT	SPEAKER
Wednesday, Date		
8:00 – 8:15 a.m.	Dosimeter Calibration Check	Staff
8:20 – 9:50 a.m.	Exercise: Characteristics of Unknown Sources/Dose Assessment	
10:00 –10:50 a.m.	Radiation Signs and Labels	
11:00 –12:00 p.m.	Contamination Control	
12:00 – 1:00 p.m.	LUNCH	
1:00 – 1:50 p.m.	Anti-Contamination Clothing and Respiratory Protection Devices	
2:00 – 2:50 p.m.	Radiological Control Area Demonstration	
3:00 – 3:50 p.m.	Decontamination	
4:00 – 5:00 p.m.	Problem Session: Decontamination	
Thursday, Date		
8:00 – 8:50 a.m.	Radioactive Material Packaging, Labeling, and Shipping	
9:00 – 9:50 a.m.	Radioactive Soil and Water Sampling	
10:00 –12:00 p.m.	Exercise: Site Work Day	
	1. Initial Entry and Count Room	
	2. Contamination Survey Station	
	3. Simple Soil and Water Sampling Protocol	
12:00 – 1:00 p.m.	LUNCH	
1:00 – 5:00 p.m.	Exercise: Site Work Day (cont.)	
	1. Initial Entry and Count Room	
	2. Contamination Survey Station	
	3. Simple Soil and Water Sampling Protocol	
Friday, Date		
8:00 – 8:50 a.m.	Radiation Safety Videos	
	1. Low-Level Radioactive Waste	
	2. EPA Radioanalytical Labs	
9:00 – 9:15 a.m.	Course Closing	Staff
9:15 –10:15 a.m.	Course Exam	